

description1.txt

Description of Invention:

"Coil System for Plasma Containment"

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The proposed invention is an electrical system for making magnetic fields accomplish the task of containing hydrogen based plasma to the extremes of temperature and pressure necessary to ignite a sustained nuclear fusion reaction.

The invention accomplishes this task by generating a sequence of overlapped electric fields whose sum is a constant, thereby squeezing the plasma in proportion to the current in the electromagnets. This is accomplished by using the fourier series to approximate four wave functions each to two hundred levels of the fourier series. These electromagnets create the constant electric field by the principle of superposition.

The energy is extracted from the system by a radio receiving tuner which converts the electrical energy of the high speed protons into a sin wave, or altering current.

The structural framework is not shown because the inventor feels that it is not an act of invention, it is merely a textbook problem to build a frame for the magnetic system. The inventor is claiming that the theory of the fourier series in the electromagnets, along with the radio tuner is the true act of invention.



11/12/03

LIST OF ITEMS ENCLOSED:

description1.txt	- description of invention
plasma6.m	- program to compute fields of coils
plasma6.out	- output of plasma6.m
colpitts4w2.m	- program to design oscillators for coil system #1
colpitts4w2.txt	- output of colpitts4w2.m
colpitts4w4.m	- program to design oscillators for coil system #2
colpitts4w4.txt	- output of colpitts4w4.m
colpitts4w6.m	- program to design oscillators for coil system #3
colpitts4w6.txt	- output of colpitts4w6.m
colpitts4w8.m	- program to design oscillators for coil system #4
colpitts4w8.txt	- output of colpitts4w8.m
coilwavel.m	- program to compute fourier series of coil system #1
coilwavel.out	- output of coilwavel.m
coilwave2.m	- program to compute fourier series of coil system #2
coilwave2.out	- output of coilwave2.m
coilwave3.m	- program to compute fourier series of coil system #3
coilwave3.out	- output of coilwave3.m
coilwave4.m	- program to compute fourier series of coil system #4
coilwave4.out	- output of coilwave4.m

PLUS PATENT APPLICATION FORMS